

Claims

1. A lacrosse-stick head comprising:

a throat including two side surfaces,

a transverse wall, and

two sidewalls extending outward from the two side surfaces of the throat and connected by the transverse wall, wherein at least one of the sidewalls and an adjacent side surface of the throat are sized, shaped, and positioned for stably rolling a lacrosse ball along at least a portion of the length of the at least one of the sidewalls and onto the adjacent side surface, the portion of the length including more than one half the length.

2. The head of claim 1, wherein the at least one of the sidewalls includes upper and lower arms and at least one connecting portion connecting the upper and lower arms.

3. The head of claim 2, wherein the upper and lower arms, the at least one connecting portion, and the adjacent side surface are sized, shaped, and positioned for stably rolling a lacrosse ball along the upper and lower arms throughout the portion of the length and onto the adjacent side surface without contacting the at least one connecting portion.

4. The head of claim 2, wherein the upper and lower arms and the at least one connecting portion are sized, shaped, and positioned for stably rolling a lacrosse ball along the upper and lower arms along substantially the entire length of the at

least one of the sidewalls without contacting the at least one connecting portion.

5. The head of claim 1, wherein the portion of the length includes substantially the entire length.

6. The head of claim 1, wherein the at least one of the sidewalls includes upper and lower arms and, for at least one pitch angle of the head, the upper and lower arms cooperate to simultaneously support a lacrosse ball throughout a first range of roll angles of the head and the adjacent side surface supports a lacrosse ball throughout a second range of roll angles of the head.

7. The head of claim 6, wherein the size of the first range of roll angles is at least approximately 60 degrees, and the size of the second range of roll angles is at least approximately 30 degrees.

8. The head of claim 6, wherein the at least one pitch angle includes a range of pitch angles.

9. The head of claim 8, wherein the size of the range of pitch angles is approximately 30 degrees.

10. The head of claim 1, wherein the at least one of the sidewalls includes upper and lower arms and the upper and lower arms include bases and rails extending in a direction outward from the bases and substantially perpendicular to the bases, the upper and lower arms, the bases, and the rails being sized, shaped, and positioned for stably supporting a lacrosse ball along the rails throughout the portion of the length.

11. The head of claim 1, wherein the head includes a longitudinal axis and the at least one of the sidewalls includes a convex shape with respect to the longitudinal axis.

12. The head of claim 1, wherein the head includes a longitudinal axis and at least one of the two side surfaces of the throat includes a convex shape with respect to the longitudinal axis.

13. The head of claim 1, wherein the throat includes an upper surface having a concave depression therein, the concave depression having a size and a shape substantially similar to the size and the shape of at least a portion of a lacrosse ball for stably supporting a lacrosse ball therein.

14. The head of claim 1, wherein the transverse wall includes an upper edge, a lower edge positioned to be adjacent a pocket disposed on the head, and one or more projections extending downward from the lower edge in a direction away from the upper edge towards a surface and being sized, shaped, and positioned for grabbing a lacrosse ball from the surface between the one or more projections and a pocket disposed on the head.

15. The head of claim 14, wherein the one or more projections are separated by a width less than a diameter of a lacrosse ball.

16. The head of claim 15, wherein the one or more projections include one or more of: substantially polygonal shapes, substantially oval shapes, and substantially semi-oval shapes.

17. The head of claim 1, wherein the head is integrally formed from molded plastic.

18. A lacrosse-stick head comprising:

a throat including two side surfaces,

a transverse wall, and

two sidewalls extending outward from the two side surfaces of the throat and connected by the transverse wall, at least one of the sidewalls and an adjacent side surface of the throat forming a groove sized, shaped, and positioned for stably rolling a ball along at least a portion of the length of the at least one of the sidewalls and onto the adjacent side surface, the portion including more than one half of the length.

19. The head of claim 18, wherein the ball includes one or more of a baseball, a golf ball, a lacrosse ball, a rubber ball, a round rock, a softball, and a tennis ball.

20. The head of claim 18, wherein the at least one of the sidewalls includes upper and lower arms and at least one connecting portion connecting the upper and lower arms.

21. The head of claim 20, wherein the upper and lower arms and the at least one connecting portion are sized, shaped, and positioned for stably rolling a lacrosse ball along the upper and lower arms throughout the portion of the length and onto the adjacent side surface without contacting the at least one connecting portion.

22. The head of claim 20, wherein the upper and lower arms and the at least one connecting portion are sized, shaped, and positioned for stably rolling a lacrosse ball along the upper and lower arms along substantially the entire length of the at least one of the sidewalls without contacting the at least one connecting portion.

23. The head of claim 18, wherein the portion of the length includes substantially the entire length.

24. A lacrosse-stick head comprising:

a throat,

a transverse wall, the transverse wall including an upper edge, a lower edge positioned to be adjacent a pocket disposed on the head, and one or more projections extending downward from the lower edge in a direction away from the upper edge towards a surface and being sized, shaped, and positioned for grabbing a lacrosse ball from the surface between the one or more projections and a pocket disposed the head, and

two or more sidewalls extending outward from the throat and connected by the transverse wall.

25. The head of claim 24, wherein the one or more projections are separated by a width less than a diameter of a lacrosse ball.

26. The head of claim 24, wherein the one or more projections include one or more of: substantially polygonal shapes, substantially oval shapes, and substantially semi-oval shapes.

27. The head of claim 24, wherein the head is integrally formed from molded plastic.